



ABSTRACT of the DISCLOSURE

method and apparatus for measuring fluid motion with micron scale spatial resolution, in which fluorescent particles are injected into a fluid body in a test device, the test device is broadly illuminated with pulses of light at the excitation frequency of the fluorescent particles, the fluorescent light is collected by a microscope objective lens, and the light thus collected is relayed through a fluorescent filter to an image recording device, the depth of field of the objective lens defining the thickness of a two-dimensional measurement plane.